

Title (en)

ASSISTANCE DATA CELL SELECTION BASED ON INTERFERENCE ESTIMATES IN A WIRELESS COMMUNICATIONS SYSTEM

Title (de)

HILFSDATENZELLAUSWAHL AUF BASIS VON INTERFERENZSCHÄTZUNGEN IN EINEM DRAHTLOSKOMMUNIKATIONSSYSTEM

Title (fr)

SÉLECTION DE CELLULE DE DONNÉES D'ASSISTANCE SUR LA BASE D'ESTIMATIONS DE BROUILLAGE DANS UN SYSTÈME DE COMMUNICATION SANS FIL

Publication

EP 3213570 A1 20170906 (EN)

Application

EP 15787104 A 20151013

Priority

- US 201414526169 A 20141028
- US 2015055325 W 20151013

Abstract (en)

[origin: US2016119851A1] A method for assisting a mobile device to perform positioning measurements on positioning signals periodically transmitted by at least some of a plurality of cells in a wireless communication network includes determining an estimated position of the mobile device and then determining a first set of candidate cells of the plurality of cells based on the estimated position of the mobile device. The method also includes estimating an expected interference of each respective positioning signal that is transmitted by each candidate cell of the first set and selecting a subset of cells from the first set of candidate cells based on the estimated expected interference. Assistance data identifying the selected subset of cells is then generated and sent to the mobile device.

IPC 8 full level

H04W 64/00 (2009.01); **G01S 5/10** (2006.01); **H04W 4/02** (2009.01)

CPC (source: CN EP US)

H04W 36/32 (2013.01 - US); **H04W 36/322** (2023.05 - CN EP); **H04W 52/285** (2013.01 - US); **H04W 64/00** (2013.01 - CN EP US); **G01S 5/10** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2016119851 A1 20160428; **US 9491680 B2 20161108**; CN 107079412 A 20170818; CN 107079412 B 20200717; EP 3213570 A1 20170906; EP 3213570 B1 20200513; JP 2018502276 A 20180125; KR 20170075733 A 20170703; WO 2016069258 A1 20160506

DOCDB simple family (application)

US 201414526169 A 20141028; CN 201580055786 A 20151013; EP 15787104 A 20151013; JP 2017522612 A 20151013; KR 20177011264 A 20151013; US 2015055325 W 20151013